

Wood Pen Finishing

Kevin Sturgeon (03/03/2018 Class)

RJB Wood Turner (10/02/2016 Video)

Turning

Set lathe to Medium speed (1000)

Use Sander, Band Saw and/or Gouge tool to remove corners

Use Gouge tool to get close to round

Set lathe to High speed (> 1500)

Use Gouge tool to create general shape

Use Skew tool to create final shape

Use Skew tool to get edges down to bushings

Use Skew tool to remove any burrs, flatten ridges, etc.

Sanding

Set lathe to Slow speed (< 500)

Grit 150

30-60 seconds while turning

30-60 seconds with grain

Grit 240 - 600

20-40 seconds while turning

20-40 seconds with grain

Cleaning - Paper Towel Strips (3/4" x 3" folded)

Turn off lathe

Place freezer paper or several paper towels on lathe bed

Swap metal bushings to non-stick bushings

Denatured Alcohol on folded strip

10-20 seconds - rotate by hand

Set lathe to Slow speed (< 500)

20-40 seconds while turning

60-120 seconds to fully dry

May use air compressor to speed up

CA Glue - Finger glove or tape and Paper Towel Strips

Set lathe to slowest speed (< 500)

Thin CA - 3-6 layers

Place paper towel under blank and drool CA on top

3-5 seconds wipe with towel (both blanks)

10-15 seconds to dry

Turn off lathe, check for ridges, bubbles, turn on lathe

3-5 seconds wipe with towel (both blanks)

30-45 seconds to dry

Turn off lathe, check for ridges, bubbles, turn on lathe. Repeat 2-5x

1/2 second - spritz with Activator

Medium CA - 2-3 layers

Add a few drops to paper towel

3-5 seconds wipe with towel (new towel per blank)

1/2 second - spritz with Activator

Turn off lathe, check for ridges, bubbles, turn on lathe. Repeat 1-2x

Turn off lathe

Separate non-stick bushings from blanks (twist/snap)

15-20 seconds sand each end of blanks with grit 120/150 on flat surface

Swap non-stick bushings to metal bushings

Polishing (soak pads in water)

Grit 1500 - Grit 2400

10 seconds light wipe, dry with paper towel, repeat

Grit 3200 - Grit 12000

5-10 seconds light wipe, dry with paper towel, repeat

Buffing

ShellaWax or Plastic Polish

Place paper towel under blank and drool ShellaWax on top

15-20 seconds wipe/buff with towel and medium pressure

15-20 seconds dry/buff with fresh towel and medium pressure

Swap Mandrel for Buffing Wheel

30 seconds Linen Wheel and Tripoli Bar

30 seconds Linen/Flannel Wheel and White Diamond Bar

30 seconds Flannel Wheel and Carnuba Wax